

## CLAIMS

What is claimed is:

1. An expert system adapted dedicated Internet access guidance engine, comprising:  
a dedicated Internet access guidance engine;  
5 a plurality of available Internet access products;  
customer need input concerning a plurality of dedicated Internet access guidance engine  
questions, the customer needs are provided to the dedicated Internet access guidance engine;  
the dedicated Internet access guidance engine uses the customer need input to rate at least  
one available Internet access product of the plurality of available Internet access products; and  
10 the dedicated Internet access guidance engine selects a recommended Internet access  
solution, that is operable to meet a customer need, from among the plurality of available Internet  
access products and the rated at least one available Internet access product.
- 15 2. The expert system adapted dedicated Internet access guidance engine of claim 1,  
wherein the dedicated Internet access guidance engine provides the recommended Internet access  
solution to an agent using a graphical user interface.
- 20 3. The expert system adapted dedicated Internet access guidance engine of claim 2,  
wherein the dedicated Internet access guidance engine provides a compatible Internet access  
solution and a not recommended Internet access solution to the agent using the graphical user  
interface.

4. The expert system adapted dedicated Internet access guidance engine of claim 1, wherein the rating of the at least one available Internet access product comprising determining a plurality of traits corresponding to the customer need, the determination made using the customer need input; and

5 the plurality of traits comprising a cost, an ability to host a web site, a reliability, and a bandwidth.

5. The expert system adapted dedicated Internet access guidance engine of claim 4, wherein the bandwidth comprises information of bandwidth needs for at least one application selected from the group comprising an email application, a web browsing application, a web site hosting application, a file transfer application, and a voice over Internet protocol application.

6. The expert system adapted dedicated Internet access guidance engine of claim 4, wherein the reliability comprises a maximum of a value indicative of a criticality of Internet use and a value indicative of a data type transmitted via the Internet.

7. The expert system adapted dedicated Internet access guidance engine of claim 4, wherein the customer need input comprises an integer input and a Boolean input.

8. The expert system adapted dedicated Internet access guidance engine of claim 4, wherein the ability to host a web site comprises a Boolean input.

9. A dedicated Internet access guidance engine method used within an expert system, comprising:

providing a plurality of dedicated Internet access guidance engine questions to a customer;

5 receiving a plurality of answers, corresponding to the plurality of dedicated Internet access guidance engine questions;

providing the plurality of answers to a dedicated Internet access guidance engine;

performing dedicated Internet access guidance engine processing to calculate a plurality of crisp values to represent a plurality of traits corresponding to a plurality of customer needs;

10 transforming at least one crisp value of the plurality of crisp values to a fuzzy value to represent at least one trait within the plurality of traits with the fuzzy value;

rating at least one available Internet access product within a plurality of available Internet access products, using the dedicated Internet access guidance engine, based on the fuzzy value and at least one crisp value within the plurality of crisp values; and

15 recommending an Internet access solution, that is operable to meet the plurality of customer needs, from among the plurality of available Internet access products and the rated at least one available Internet access product.

10. The method of claim 9, wherein the expert system further comprises a data  
20 network guidance engine.

11. The method of claim 9, further comprising providing the recommended Internet access solution to an agent using a graphical user interface.

12. The method of claim 11, further comprising providing a compatible Internet access solution and a not recommended Internet access solution to the agent using the graphical user interface.

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13. The method of claim 11, further comprising providing an explanation to the agent, using the graphical user interface, that explains why the recommended Internet access solution was recommended.

14. The method of claim 9, wherein the plurality of traits comprises a cost, an ability to host a web site, a reliability, and a bandwidth.

15. The method of claim 14, wherein the ability to host a web site comprises a Boolean value.

16. The method of claim 9, wherein the plurality of crisp values comprises an integer value and a Boolean value.

17. A dedicated Internet access guidance engine method used within an expert system, comprising:

performing real time interaction between a customer and an agent;

providing a plurality of dedicated Internet access guidance engine questions to the customer;

receiving a plurality of answers, corresponding to the plurality of dedicated Internet access guidance engine questions;

inputting the plurality of answers into a dedicated Internet access guidance engine via a graphical user interface;

5 performing dedicated Internet access guidance engine processing to calculate a plurality of crisp values to represent a plurality of traits corresponding to a plurality of customer needs, the plurality of crisp values comprising a cost, an ability to host a web site, a reliability, and a bandwidth;

10 transforming at least one crisp value of the plurality of crisp values to a fuzzy value to represent at least one trait within the plurality of traits with the fuzzy value;

rating at least one available Internet access product within a plurality of available Internet access products, using the dedicated Internet access guidance engine, based on the fuzzy value and at least one crisp value within the plurality of crisp values; and

15 recommending an Internet access solution, that is operable to meet the plurality of customer needs, from among the plurality of available Internet access products and the rated at least one available Internet access product; and

20 wherein the rating of the at least one available Internet access product within a plurality of available Internet access products comprises disqualifying the at least one available Internet access product when the at least one available Internet access product is inoperable to support web site hosting and when the ability to host a web site crisp value comprises a true value.

18. The method of claim 17, wherein the rating of the at least one available Internet access product comprising employing dynamic calculation.

19. The method of claim 17, wherein the ability to host a web site comprises a Boolean customer need.

5            20.     The method of claim 17, wherein the bandwidth comprises the at least one crisp  
value of the plurality of crisp values that is transformed to a fuzzy value.

[illegible]